AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1	1.	(Previously Presented) A method of directing a computer network for booting	
2	using an embedded operating system (OS) based computer, the method comprising:		
3		listening with an embedded OS based computer to PXE requests from a plurality	
4	of PX	E enabled target servers of a computer network; and	
5		providing from the embedded OS based computer to one of the plurality of PXE	
6	enabl	ed target servers a netboot program and address information of a boot server	
7	responsive to a PXE request from the one of the PXE enabled target servers.		
1	2.	(Original) The method as in claim 1, wherein the computer network comprises a	
2	plurality of subnetworks of PXE enabled target servers.		
1	3.	(Previously Presented) The method as in claim 2, wherein the embedded OS	
2	based compu	ter listens to one of the subnetworks.	
1	4.	(Previously Presented) The method as in claim 3, wherein the embedded OS	
2	based computer listens to one of the subnetworks by wireless communication.		
1	5.	(Original) The method as in claim 1, wherein the embedded OS is Windows CE	
2	operating system.		
1	6.	(Original) The method as in claim 1, wherein the plurality of PXE enabled target	
2 .	servers are part of a subnetwork of the computer network.		
1	7.	(Original) The method as in claim 1, wherein the listening step is performed	
2	through a TCP/IP stack.		
1	8.	(Original) The method as in claim 1, wherein the address information of the boot	
2	server comp	rises an IP address.	

9. 1 (Currently Amended) The method as in claim 1, further comprising transferring a 2 boot image from the boot server responsive to the netboot program executing on the one of the 3 PXE enabled target servers, the boot image containing code to install at least one of an operating 4 system and application software in the one of the PXE enabled target servers. 1 10. (Original) The method as in claim 9, wherein the boot image is provided through 2 a router. 1 11. (Original) The method as in claim 9, wherein the boot image is provided by 2 wireless communication. 1 12. (Original) The method as in claim 9, wherein the boot image comprises responses 2 to preboot execution environment queries. 1 13. (Original) The method as in claim 9, wherein the boot image further comprises a 2 script specific to the requesting target server. 1 14. - 15. (Cancelled) 1 16. (Original) The method as in claim 9, wherein the netboot program is executed out 2 of a read-only memory. 1 17. (Original) The method as in claim 9, wherein the boot image is transferred using 2 a trivial file transfer protocol. 1 18. (Previously Presented) The method as in claim 9, wherein the one of the PXE 2 enabled target servers is booted by executing the boot image.

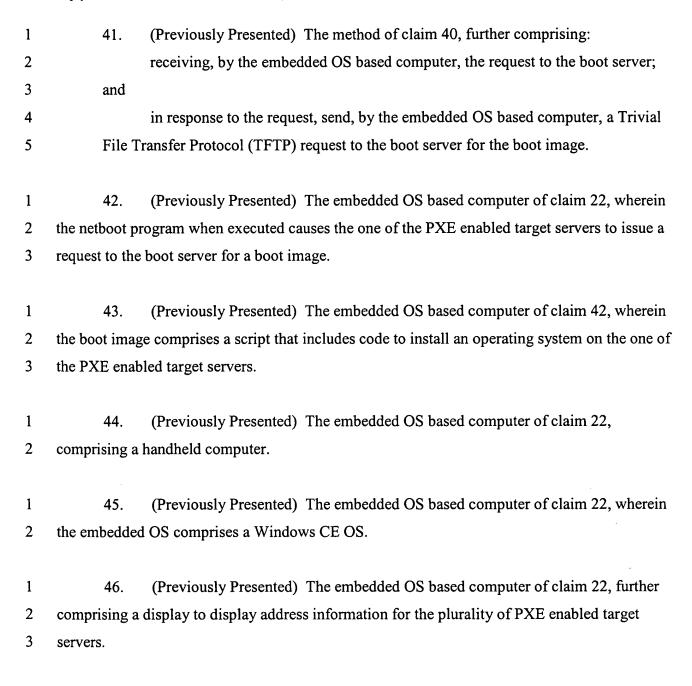
1	19.	(Previously Presented) The method as in claim 1, further comprising displaying	
2	address information for the plurality of PXE enabled target servers.		
1	20.	(Previously Presented) The method as in claim 1, further comprising displaying a	
2	plurality of b	oot images for the plurality of PXE enabled target servers.	
1	21.	(Previously Presented) The method as in claim 1, further comprising displaying	
2	PXE requests	s for the plurality of PXE enabled target servers.	
1	22.	(Previously Presented) An embedded OS based computer for network booting	
2	under preboo	ot execution environment (PXE) control, the computer comprising:	
3		a network interface controller (NIC);	
4	•	an embedded operating system (OS) to control the NIC;	
5		a processor coupled to the NIC;	
6		a processor executable PXE routing software, which is adapted to perform the	
7	processor executable steps of:		
8		listening to PXE requests from a plurality of PXE enabled target servers of	
9		a computer network; and	
10		providing to one of the plurality of PXE enabled target servers a netboot	
11		program and address information of a boot server separate from the embedded OS	
12		based computer, in response to a PXE request from the one of the PXE enabled	
13		target servers.	
1	23.	(Original) The embedded OS based computer as in claim 22, further comprising a	
2		led to the processor.	
1	24.	(Original) The embedded OS based computer as in claim 22, further comprising	
2	an input devi	ice coupled to the processor.	

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2 memory coupled to the processor. 26. 1 (Previously Presented) The embedded OS based computer as in claim 25, 2 wherein the memory further comprises: 3 a web browser; 4 PXE service applications; 5 a TFTP application; 6 the netboot program; and 7 a boot image. 1 27. (Previously Presented) The embedded OS based computer as in claim 26, 2 wherein the embedded OS based computer is configured through the web browser. 1 28. (Original) The embedded OS based computer as in claim 25, wherein the 2 embedded OS based computer is configured directly. 1 29. – 38. (Cancelled) (Previously Presented) The method of claim 1, wherein providing the netboot 1 39. 2 program from the embedded OS based computer comprises providing the netboot program from 3 the embedded OS based computer that is separate from the boot server. 1 40. (Previously Presented) The method of claim 39, wherein providing the netboot 2 program to the one of the PXE enabled target servers comprises providing the netboot program 3 that when executed causes the one of the PXE enabled target servers to issue a request to the 4 boot server for a boot image to download to the one of the PXE enabled target servers.

(Original) The embedded OS based computer as in claim 22, further comprising a



1	47.	(Currently Amended) An article comprising a storage containing software that		
2	when executed causes a first computer to:			
3		receive a request from a target server for remote booting of the target server; and		
4		in response to the request, send a program and address information of a boot		
5	server	to the target server, wherein the boot server is separate from the first computer,		
6		wherein the program when executed causes the target server to issue a boot server		
7	request to the boot server for a boot image to download to the target server, the boot			
8	image containing code to install at least one of an operating system and application			
9	software on the target server.			
1	48.	(Previously Presented) The article of claim 47, wherein the software when		
2	executed causes the first computer to further:			
3		receive the boot server request; and		
4		in response to the boot server request, issue a Trivial File Transfer Protocol		
5	(TFTI	P) request to the boot server for the boot image.		
1	49.	(Previously Presented) The article of claim 47, wherein the first computer		
2	comprises an embedded operating system (OS) based computer containing an embedded OS.			
1	50.	(Previously Presented) The article of claim 49, wherein the first computer		
2	comprises a handheld computer.			
1	51.	(Previously Presented) The article of claim 47, wherein the first computer		
2	receives the r	equest from the target server by wireless communications.		
1	52.	(Previously Presented) The article of claim 47, wherein the received request from		
2	the target serv	ver comprises a preboot execution environment (PXE) request, the target server		
3	being a PXE enabled target server.			
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1	53.	(Previously Presented) A computer comprising:	
2		a processor;	
3		an embedded operating system (OS) executable on the processor;	
4		software executable on the processor to:	
5		receive a request from a target server; and	
6		in response to the request, send information to the target server to direct	
7		the target server to a boot server separate from the computer for downloading a	
8		boot image from the boot server to the target server for remote booting of the	
9		target server,	
10		wherein the computer is a reduced-capability computer having less	
11		capability than a server computer.	
1	54.	(Previously Presented) The computer of claim 53, wherein the embedded OS	
2	comprises a	Windows CE OS.	
1	55.	(Previously Presented) The computer of claim 53, further comprising a wireless	
2	interface to receive the request wirelessly.		
1	56.	(Previously Presented) The computer of claim 53, wherein the received request	
2	comprises a preboot execution environment (PXE) request.		
1	57.	(Previously Presented) The computer of claim 53, further comprising a display to	
2	display address information for plural target servers, and to list boot images for the plural targe		
3	servers,		
4		the software executable on the processor to:	
5		listen to requests from the plural target servers for remote booting of the	
6	•	target servers.	

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- 1 58. (Previously Presented) The computer of claim 53, wherein the information sent
- 2 to the target server comprises a netboot program and an address of the boot server.